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**GREER, BURNS & CRAIN, LTD.**

## Facsimile Cover Sheet

To: Office of Initial Patent From: Patrick G. Burns

Examination's Filing Receipt

Corrections

Fax: 703-746-9195

Date: April 27, 2004

Your Ref: 10/664,729

Our Ref: 1117.68339

9 Pages (including cover sheet)

Original Will ☐

Will Not ☒ Follow

☐ Urgent

☐ For Review

☐ Please Reply

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● Comments:

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1117.68339

## PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Arihiro Takeda )

Serial No. 10/664,729 )

Filed: 9/18/2003 )

For: LIQUID CRYSTAL DISPLAY )  
DEVICE AND LIQUID )  
CRYSTAL ORIENTATION )  
METHOD )

Art Unit: 2871 )

I hereby certify that this paper is being transmitted by  
facsimile to: Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450, on this date.

Date

Registration No. 29,367  
Attorney for Applicant(s)REQUEST FOR CORRECTED FILING RECEIPT

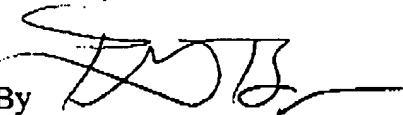
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants hereby request that a corrected Filing Receipt be issued which indicates the correct assignee. The Patent and Trademark Office inadvertently listed "Fujitsu Limited" as one of the assignees. The correct assignee is --FUJITSU DISPLAY TECHNOLOGIES CORPORATION--, as seen in the transmittal letter for this application (copy enclosed).

Respectfully submitted,

GREER, BURNS &amp; CRAIN, LTD.

By 

Patrick G. Burns  
Registration No. 29,367

April 27, 2004  
300 South Wacker Drive  
Suite 2500  
Chicago, Illinois 60606  
Telephone: 312.360.0080  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/664,729	09/18/2003	2871	750	1117.68339	27	5	1

CONFIRMATION NO. 5616

Patrick G. Burns, Esq.  
GREER, BURNS & CRAIN, LTD.  
Suite 2500  
300 South Wacker Dr.  
Chicago, IL 60606

## FILING RECEIPT



\*OC000000011456282\*

Date Mailed: 12/10/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Arihiro Takeda, Kawasaki, JAPAN;  
Shingo Kataoka, Kawasaki, JAPAN;  
Tsuyoshi Kamada, Yonago, JAPAN;  
Kazuya Ueda, Kawasaki, JAPAN;  
Takahiro Sasaki, Kawasaki, JAPAN;

## Assignment For Published Patent Application

Fujitsu Limited, Kawasaki-shi, JAPAN;  
FUJITSU DISPLAY TECHNOLOGIES CORPORATION, Kawasaki-shi, JAPAN;

## Domestic Priority data as claimed by applicant

This application is a DIV of 10/047,216 01/14/2002

## Foreign Applications

JAPAN 2001-029814 02/06/2001

If Required, Foreign Filing License Granted: 12/09/2003

Projected Publication Date: 03/18/2004

Non-Publication Request: No

Early Publication Request: No

**Title**

Liquid crystal display device and liquid crystal orientation method ✓

**Preliminary Class**

349

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Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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Continuation/Divisional Docket No.: 1117.68339

Parent Docket No.: 1117.66107

**COPY**  
**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Takeda et al.  
Application No.: 10/047,216 Art Unit: 2871  
Filed: January 14, 2002 Examiner: Duong, Thoi V.  
For: LIQUID CRYSTAL DISPLAY DEVICE  
AND LIQUID CRYSTAL ORIENTATION METHOD

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**NOTIFICATION OF FILING OF CONTINUING  
OR DIVISIONAL APPLICATION**

Notification is hereby being made of the filing of a:

- ☐ continuation  
☐ continuation-in-part  
☒ divisional

application for this case

☒ concurrently herewith.

☐ on \_\_\_\_\_  
Date

Reg No. 29,367

Tel. No.: 312.360.0080

  
SIGNATURE OF ATTORNEY

Patrick G. Burns

(type or print name of attorney)

Greer, Burns &amp; Crain, Ltd.

300 S. Wacker Dr. Suite 2500

(address)

Chicago, IL 60606

**CERTIFICATION UNDER 37 C.F.R. 1.8(a) and 1.10**

I hereby certify that, on the date shown below, this correspondence is being:

☒ deposited with the United States Postal Service in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

37 C.F.R. 1.8a

37 C.F.R. 1.10

☐ with sufficient postage as "first class" mail, ☒ as "Express Mail" Mailing Label No. EV032734878US.

Sep. 18 2003

Date

  
Signature

Daniel Canan

(type or print name of person certifying)

Notification Form

Docket No.: 1117.68339

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Anticipated Classification of this application:

Class: Subclass:

Prior application: 10/047,216

Examiner: Duong, Thoi V.

Art Unit: 2871

## REQUEST FOR FILING CONTINUING OR DIVISIONAL APPLICATION

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is a request for filing a

☐ Continuation application,☒ Divisional application,

under 37 CFR 1.53(b), of pending prior application Serial No. 10/047,216 filed on January 14, 2002  
for LIQUID CRYSTAL DISPLAY DEVICE AND LIQUID CRYSTAL ORIENTATION METHOD.

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CERTIFICATION UNDER 37 CFR 1.10

I certify that, on the date shown below, these documents are being deposited with the United States Postal Service in an envelope addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, as "Express Mail Post Office to Addressee," Mailing Label No. EV032734878US.

Date September 18, 2003Signature Dail Canem

1. (X) Enclosed is a copy of the prior application, including the oath or declaration as originally filed. The attached application papers are a true copy of prior application Serial No. 10/047,216 as originally filed on January 14, 2002, and no amendments referred to in the oath or declaration as originally filed introduced new matter. This statement is made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

The copy of the papers of the prior application as filed are as follows:

- (X) 63 pages of specification including claims and abstract
  - (X) 27 sheets(s) of drawing
  - (X) 4 pages of declaration and power of attorney
2. ( ) Enclosed is a replacement specification reflecting previously submitted amendments and/or additional formal amendments. No new matter is added by the changes. A copy of the oath or declaration as originally filed is also included.

The new application includes:

- ( ) pages of specification including claims and abstract
  - ( ) sheets(s) of drawing
  - ( ) pages of declaration and power of attorney
3. ( ) A statement (Declaration) claiming small entity status was filed in the prior application and small entity status for this application is proper and desired.
4. (X) Cancel in this application original claims 1-26 and 32-33 of the prior application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes).

5. (X) The filing fee is calculated below:

CLAIMS AS FILED IN THE PRIOR APPLICATION, LESS ANY CLAIMS CANCELED BY AMENDMENT BELOW

For	No. Filed	No. Extra	Rate	Fee
Basic Fee.....				\$750.00
Total Claims...	5 - 20 =		x \$18.00 =	\$ -0-
Independent Claims....	1 - 3 =	0	x \$84.00 =	\$ -0-
		Total Filing Fee		\$750.00
Statement of Status as Small Entity Reducing Filing Fee By Half To				\$ -0-

6. (X) A check in the amount \$750.00 is enclosed.
7. (X) The Commissioner is hereby authorized to charge any additional fees which may be required for this application under 37 C.F.R. § 1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.
8. ( ) A petition and fee for an extension of time has been filed in the pending prior application. A copy of the petition is attached.
9. (X) Amend the specification by inserting before the first line the sentence: **--This is a divisional of application Serial No. 10/047,216, filed January 14, 2002.--**
10. (X) Priority of application Serial No(s). **2001-029814 filed on February 6, 2001 in Japan is claimed under 35 U.S.C. § 119.**
- (X) The certified copy was filed in prior application Serial No. 10/047,216, filed January 14, 2002.
11. (X) The prior application is assigned of record to: **Fujitsu Limited, 1-1 Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan. The assignment was recorded on January 24, 2002 on Reel 012509, Frame 0958.**





Fujitsu Limited then assigned this application to **FUJITSU DISPLAY TECHNOLOGIES CORPORATION**, 1-1, Kamikodanaka, 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-8588 Japan. This assignment was recorded on December 18, 2002 on Reel 013442, Frame 0107.

12. (X) The inventors of the invention of the parent application, serial number 10/047,216 are Arihiro **TAKEDA** and Shingo **KATAOKA**.
13. ( ) An information disclosure statement is submitted herewith.
14. ( ) A preliminary amendment is enclosed herewith.
15. ( ) Please delete the name(s) of ^^^^ who is (are) not a (an) inventor(s) of the subject matter of the ( ) continuing ( ) divisional application.
16. (X) The power of attorney in the prior application is to:

**Patrick G. Burns, Reg No. 29,367**  
**Greer, Burns & Crain, Ltd.**  
**300 South Wacker Drive**  
**Suite 2500**  
**Chicago, Illinois 60606**

- (X) The power appears in the original papers in the prior application.
- (X) Address all future communications to:

**Patrick G. Burns, Esq.**  
**GREER, BURNS & CRAIN, LTD.**  
**300 South Wacker Drive**  
**Suite 2500**  
**Chicago, Illinois 60606**

September 18, 2003

**Patrick G. Burns**  
**Registration No. 29,367**  
**Attorney of record**

**Greer, Burns & Crain, Ltd.**  
**300 South Wacker Drive**  
**Suite 2500**  
**Chicago, Illinois 60606**  
**312.360.0080**

Continuation/Divisional Application, 4 pages, 16 paragraphs  
Revision September 26, 2000